

Please cancel the abstract, and add the following new abstract:

An optical communication system has a plastic optical fiber (POF) and an optical communication module. The POF has a spherical end surface, and light emitted from the spherical end surface has an NA of 0.35 or lower. The POF is installed in the module such that a light receiving surface of a light receiving element (PD) is at a distance, d, from an apex of the spherical end surface. The distance, d, is within a range of  $0 < d \leq r^*D/(n-n_1)$  when a PD diameter is not larger than D, and within a range of  $D \leq d \leq r^*D/(n-n_1)$  when the PD diameter is larger than D, where D is a diameter of the POF,  $r^*D$  is a radius of curvature of the spherical end surface, n is a refractive index of a core of the POF, and  $n_1$  is a refractive index of a substance between the spherical end surface and the PD.